

Art Unit: 2628

The drawings filed on 10/13/2000 are accepted by the Examiner.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Zobrovsky and Authorization form from Michael J. Striker on 7/19/2010.

Here is the list of all claims 1-13 and amendment to claim 11, see below:

1. A method for representing an object in bit-mapped format on a matrix like display device, having the following steps:

calculating a plurality of bit maps for a certain number of various object representations along a predetermined path curve in advance;

storing the plurality of bit maps in memory in advance; and

executing a representation processing with a display sequence of object representations along the path curve by reading and displaying correspondingly memorized bit maps, wherein the object moves along the path curve during the representation processing and displaying of the correspondingly memorized bit maps.
2. The method of claim 1, characterized in that the calculating of the plurality of bit maps in advance, a filtration is performed for the sake of edge smoothing in the local region.
3. The method of claim 1, characterized in that an associated precalculated and pre-stored background image has the various object representations superimposed on it.

Art Unit: 2628

4. The method of claim 1, characterized in that the spatial difference between adjacent object representations along the path curve, which are precalculated and pre-stored as a respective bit map, is substantially smaller than the applicable object representations.

5. The method of claim 1, characterized in that for displaying object representations, which are located between two object representations having a respective precalculated and pre-stored bit map, a paired interpolation between the corresponding pixel values is performed.

6. The method of claim 5, characterized in that the pixel values are present separately in accordance with certain colors, preferably the three fundamental colors of red, green, blue, and the interpolation is performed separately for each color.

7. The method of claim 6, characterized in that for the interpolation, the mean value for each pixel, weighted in accordance with the intermediate position, is calculated.

8. The method of claim 1, characterized in that a compression of the pre-stored bit map data is performed.

9. The method of claim 1, characterized in that the method is employed on a dashboard display device, located on board a motor vehicle, for representing a pointer.

10. The method of claim 9, wherein the pointer is a speedometer pointer, and wherein a pointer bitmap corresponding to a speed is read and displayed at a given time.

11. The method of claim [9 or 10] **9**, wherein an associated pre-calculated and pre-stored background image is a corresponding speed scale.

Art Unit: 2628

12. The method of claim 1, wherein the various object representations are object representations of the same object.

13. The method of claim 1, wherein the object is a pointer and wherein the pointer moves along a scale, wherein in different position of the pointer, graphical representations are calculated and stored in advance.

Allowable Subject Matter

Claims 1-13 are allowed.

The following is an examiner's statement of reasons for allowance:

In view of the BPAI decision dated 7/12/2010, the cited prior arts do not teach or suggest the limitations recited in claim 1, as follows: "calculating a plurality of bit maps for a certain number of various object representations along a predetermined path curve in advance; storing the plurality of bit maps in memory in advance; and executing a representation processing with a display sequence of object representations along the path curve by reading and displaying correspondingly memorized bit maps, wherein the object moves along the path curve during the representation processing and displaying of the correspondingly memorized bit maps".

Claims 2-13 are allowed with the same reasons as set forth in claim 1, above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2628

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAVID A. AMINI whose telephone number is (571)272-7654. The examiner can normally be reached on 7-3pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on 571-272-7794. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Javid A Amini
Primary Examiner
Art Unit 2628

/Javid A Amini/
Primary Examiner, Art Unit 2628